Morbidity and Mortality

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE PUBLIC HEALTH SERVICE

AUG 13 1964

Prepared by the

COMMUNICABLE DISEASE CENTER

634-5131

CDC LIBRARY ATLANTA 22 GA

For release August 15, 1964

ATLANTA, GEORGIA 30333

Vol. 13, No. 32

PROVISIONAL INFORMATION ON SELECTED NOTIFIABLE DISEASES IN THE UNITED STATES AND ON DEATHS IN SELECTED CITIES FOR WEEK ENDED AUGUST 8, 1964 ._____

DIPHTHERIA

No cases of diphtheria were reported for the week ended August 8. This is the third week this year for which no cases of diphtheria were reported. Thus, the cumulative total for 1964 remains at 160 cases. For the comparable period of 1963, 152 cases were reported. The cumulative cases through the 32nd week and the annual totals for the past 5 years are shown in the accompanying table.

The New England region has reported 43 cases (27 percent of the national total); of these, 39 cases were associated with an outbreak in adults at a State hospital in Maine.

Maine's total is the largest of any State. Texas has reported 21 cases, Georgia 20 cases, thus making theirs the second and third largest State totals. To date, cases have been reported from 24 States and New York City.

DIPHTHERIA - United States

Cumulative Cases through 32nd Week

1964	1963	1962	1961	1960
160	152	240	339	378
	(, site tombelous Soundaries Seet J	Annual Totals		
	298*	444	617	918

^{*}Provisional total

Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

the beautiful training and such tra-	32nd W	eek Ended	mar 116, 17447	Cumulative, First 32 Weeks				
Disease	August 8, 1964	August 10, 1963	Median 1959 - 1963	1964	1963	Median 1959 - 1961		
Aseptic meningitis	27	60	Aging to him	996	916	A LOUIS DE TRA		
Brucellosis	15	10	10	256	226	378		
Diphtheria	ASSESSED IN	District to 1	6	160	152	340		
Encephalitis, primary infectious	49	23		1,202	966			
Encephalitis, post-infectious	15	5 23	a one in the	642	3 900	madra on		
Hepatitis, infectious including		and the first	The second second		HOTAL CAP MELL	16 E13 T931E31		
serum hepatitis	586	808	734	24,809	27,608	27,610		
Measles	1,412	1,568	1,660	430,840	354,163	382,274		
Meningococcal infections	37	22	29	1,771	1,640	1,534		
Poliomyelitis, Total	3	13	51	65	159	413		
Paralytic	- C	11	35	53	132	278		
Nonparalytic	a manage fores	4		8	16			
Unspecified	and posteriors	A 1155 7 2	mm (4-8) view	4	11	d politers.		
Streptococcal Sore Throat and		E REMOVED	transporting		A LIVE STATE OF	at promounds		
Scarlet fever	3,855	3,439	morth weeks on	275,259	236,160			
Tetanus	7	7		158	152			
Tularemia	9	5	situling heads	207	175			
Typhoid fever	9	16	18	251	268	421		
Rabies in Animals	62	49	60	2,883	2,428	2,427		

Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

Bally a length heat medical state, No. 100 per length	Cum.		Cum.
Anthrax: Botulism: Ala-1 Leptospirosis: Malaria: Plague:	11 24	Rky Mt. Spotted: Md1, N.J1, Pa2, N.C4, Ala1	24 - - 16 131

EPIDEMIOLOGICAL REPORTS

MILKER'S NODULES - Tennessee

On April 15 a 37 year old, white farmer received 8 superficial abrasions on 2 fingers of his right hand while he attempted to introduce 2 sulfa tablets into the mouth of an 8-month-old calf. Only one of the lesions bled. The patient immediately washed his hand under a faucet in the barn and then milked one of his 2 cows. On returning to the house 30 minutes later, he washed the hand again with soap and water. The abrasions crusted over and healed completely within 5 days.

On April 23, the patient noticed a small, red papule appearing in the area of each bite on the index and ring fingers. These uniformly progressed to pea-sized "warts" which became semi-fluid in consistency within 3-4 days; the patient treated himself with merthiolate. On April 28, (13 days after the bite) he noticed a bluish coloration over the surface of each of the non-tender nodules. There was no swelling, erythema, or drainage; systemic symptoms were absent. The fingers became so pruritic that he found it difficult to resist excoriating the lesions.

Because of the persistence of the nodules and the pruritus the patient consulted a physician on April 29. The physician noted that the lesions were all in the same stage and he confirmed the above description. There was no cellulitis or lymphangitis, although the epitrochlear and axillary lymph nodes were moderately enlarged and tender. The patient was treated with 600,000 units of penicillin intramuscularly. On return visit, April 30, the physician incised one of the nodules which contained a small amount of thick, clear fluid. A gram strain revealed a number of single gram positive rods with rounded, blunt ends; anthrax was considered a differential diagnosis. The patient was admitted to a local hospital where a physical examination was unremarkable, with the exception of the lesions on his hand; he was afebrile, his hematocrit was 49 percent, his white blood cell count was 7,000 with a normal differential. Urinalysis was negative. The patient was treated with penicillin and broad spectrum antibiotics.

By May 6, the lesions were approximately 8-10 mm in diameter, and those which had been surgically opened had a red, granulating base with sharp demarcation from the surrounding normal skin. One lesion remained umbilicated with a dull, red center and smooth, rolled edges. It contained no fluid. Sensation was intact in and around the lesions and there was no tenderness. Epitrochlear or axillary nodes were not enlarged. The patient was discharged May 10; the lesions healed completely by May 20.

One of the cultures taken of the incised nodule yielded *Bacillus circulans*; this was believed to be a laboratory contaminant. Scrapings for fungi were negative; virus studies were not performed.

The diagnosis of Milker's nodules was made clinically. Tennessee health officials believe the patient began to experience the symptoms of milker's nodules 8 days after the bite as a result of direct inoculation of virus in the calf's saliva. This type of transmission has been noted previously. ¹

The calf which bit the patient was one of 20 purchased on April 10. This calf and 8 others were transported by open truck 70 miles to his farm that day; the remaining 11 calves were transported the following day. On April 12 the suspect calf appeared listless, ate poorly, and was believed to have "shipping fever." The calf was treated with 10 million units of penicillin, 5 grams of streptomycin. and 4 240-gram sulfa capsules for 2 days without benefit of improvement. On April 15, the patient was bitten while trying to administer 2 of these sulfa capsules. Despite additional treatment, the calf expired on April 17. During its terminal course, the calf appeared lethargic, anorectic and experienced diarrhea and respiratory difficulty. The animal was dumped into a secluded, wooded area on the farm; samples of the carcass were negative for Bacillus anthracis.

No lesions were noted in the oral mucosa of the suspect calf or other animals purchased at the same time. No lesions were present on the teats or udder of the patient's one milk cow prior to the biting; none developed thereafter despite the fact that the patient continued to milk his cow when his lesions were active.

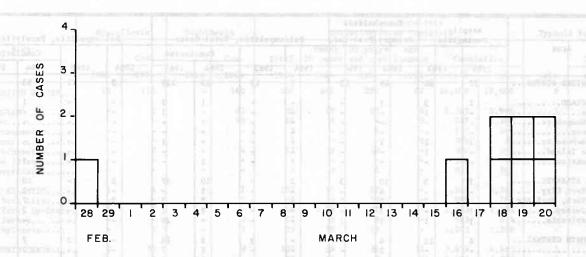
(Reported by Cecil B. Tucker, M.D., Director, Division of Preventable Diseases, Tennessee Department of Public Health, and an EIS Officer.)

Editor's Note: Milker's nodules (pseudocowpox or paravaccinia) is caused by a virus 2,3, recently isolated, which belongs to the pox group, and which is immunologically distinct from cowpox, vaccinia and variola.

References:

- 1. Garrison, S.C., and Adams, C.E.: Milker's Nodules, J. Tenn. Med. Assn., 46:420, 1953.
- Friedman-Kien, A.E., Rowe, W.P., and Banfield, W.G.: Milker's Nodules: Isolation of a poxvirus from a human case, Science 140:1335, 1963.
- Moscovia, C., Cohen, E.P., Sanders, J., and DeLong,
 S.S.: Isolation of a viral agent from pseudocowpox disease, Science 141:915, 1963.

CAT RABIES - TUCSON, ARIZONA 1964



FELINE RABIES - Arizona

Eight cases of cat rabies were reported in Tucson from February 28 to March 20 (See epidemic curve above); 7 occurred within a 4-day period, beginning 17 days after the first case. Most of the cats were strays. Five of the cases occurred in one neighborhood, the remainder in nearby areas. Approximately 6,000 cats were given phenolized rabies vaccine (1,200 in 8 hours in a public clinic) since this outbreak began.

No cases of dog rabies developed. A total of 10 humans were exposed to rabid cats. All received antirabies treatment. No human cases developed.

No source for the cat epidemic could be found. Since the recognition of the cat epidemic, the disease has been confirmed in 3 coyotes, one bobcat, and one bat. Because of the existence of rabies in wild animals, officials speculate that the feline outbreak may have started when a rabid wild animal attacked a cat.

(Reported by Philip M. Hotchkiss, DVM, MPH, Acting Director, Division of Acute Communicable Disease Control, Arizona State Department of Health.)

Editor's Note: This is an unusual outbreak because cat rabies is usually secondary to outbreaks in other hosts.

TUBERCULOSIS

Reported new active tuberculosis cases and tuberculosis deaths by size of community during 1962 are presented in the tables below. The highest attack rates in both categories occurred in cities with greater than one-half million population. This pattern probably reflects the factor of crowded living conditions in the spread of this disease.

TUBERCULOSIS DEATHS B	Y SIZE OF CO	DMMUNITY, 1962	16 1 31	8 1 20				
3 13 13 13 14 1		Tuberculosis Deaths						
AREA*		Number	Rate Per 100,000 Population	Percent				
Cities with 500,000 or more population	21 11	2,673	9.3	28.1				
Cities with 250,000 to 500,000 population		751	6.8	7.9				
Cities with 100,000 to 250,000 population	-1.	665	5.4	7.0				
Other areas exclusive of large cities	3 9	5,417	4.1	57.0				
		40 1 1 1 1 1 1 1 1 1	throad a file					

NEW ACTIVE TUBERCULOSIS CA	ASES BY SIZE OF COMMUNITY	, 1962						
la lide 83 di Santi Territa		New Active Cases						
AREA*	Number	Rate Per 100,000 Population	Percent					
Cities with 500,000 or more population	16,326	56.0	30.6					
Cities with 250,000 to 500,000 population	4,430	36.9	8.3					
Cities with 100,000 to 250,000 population	4,040	30.6	7.6					
Other areas exclusive of large cities **	28,519	21.7	53.5					
United States	53,315	28.7	100.0					

*Sixe of cities at time of 1960 census. Includes county data where information was not available separately for principal city

Includes 672 countles with no new cases reported in 196

Morbidity and Mortality Weekly Report

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
AUGUST 8, 1964 AND AUGUST 10, 1963 (32ND WEEK)

ing the isper in a p	Acont	-10	Enceph	alitis				or or sec				
saperate in the same of	Asept Mening		Primary	Post-Inf.	Poli	omyelitis	, Total Ca	ases	Poli	lomyeliti	s, Paraly	tic
Area	HE 2 4 11 1 1 1		Him to I sac all		Cumula			lative	XXX THE PER	No.	Cumu 1	ative
AL THE DOCUMENTS	1964	1963	1964	1964	1964	1963	1964	1963	1964	1963	1964	1963
UNITED STATES	27	60	49	15	3	13	65	159	3	11	53	132
NEW ENGLAND	1	3	1	La peta	-		1	2	-	-	1	
Maine	ministra	1	10 1011	d. the be	-		SHIP ST	1	Washington,	11	10 St.	
New Hampshire	SHIELD	The se	ATTEMPT	Data PRO	103				harman a		1 100	
Vermont	1	N. America			-	m. 4 <u>-</u> 10	10: 73	F 1534 W		41.00	10 () ()	
Rhode Island	1	1	1	- [_ []	month in	CS 70 A	Arra 12	in 1	50 100	150	ilulu.
Connecticut	whate-p	Truck!	4.500	-0.0	de -	Lene	1	U-0-5	el charle	4000	1	
AIDDLE ATLANTIC	07 -	i ilia a	10	3		4-	10	27	2		10	
New York City	2	3	10	3	2		10	37	2		10	2
New York, Up-State.		2	4 2	2	2	-	7	7	2	14713	7	
New Jersey	1	1	3	277.4	U 0 -	7 1 1 1	2	1	un all	1001	2	-111
Pennsylvania	î	1	1	1	-	-7-3	-	29	sules in	Thy.	elitent.	2
AST NORTH CENTRAL	4	12	4	colonia		3	9	24	13. Oc. 8	2	7	10
Ohio	00000	-	2	aller Ti	_		2	7 7			2	10
Indiana	2 11 2 1	4	- 1		-	_	ī	2	-			- 21
Illinois	1	5	471 172	100 200	_	2	4	9	(A) (A)	2	4	Dugn;
Michigan	3	3	2	Maria de la constanta de la co	W 2318	And related	1	3	العازات الا	ed Min	ide 🕳	recu.
Wisconsin	10.763		9547144	ha Dai	100	1	1	3	And Tale	Garage -	1	110
JEST NORTH CENTRAL	3	ge III	3	mron o-		Tueson	3	5	201921	12.30	2	e l
Minnesota	2	1	1	ating to a	Sorti -	Tive by	577165	3	27 00 3	34/37		P ma
Iowa			_			Phone Inc.		Be By	والمراجعين		volon, I	
Missouri	a Till mon	112	LOOKERO C	11 110 110	1100-		2	ining 5c	200 E3 FG 11	Description	Dire of	HCILIZ
North Dakota		Mariet -	1	4 Bro. 10	15	off facilities	SHE SHOW	de alba	nint sti	to Sack	1000000	
South Dakota	illeset!	inc set	culture 5	ALC: 150	- 1	ni zblio	Admiron de		-	proorin ³	-	
Nebraska Kansas	-		21 200 0	10-20-0	991			1	odigase is			
Adiisas	1	Phylod		prim 200	E .	HOUSE !	1	54-00-08	CT & TRUMB	created to	firen on I	
SOUTH ATLANTIC	1	10	9	Contract	9.55	3	22	23	202/d) (See)	3	17	2
Delaware	W. 1124	-1	13 10 10 10	Per and	395.5		LOW SEL	C25 -, 4	III. of Services	July and the	dresing	
Maryland	5,1		Sound to 7	11 L	-	they sig for	1	er Beer La	- The -	-		
Dist. of Columbia Virginia	M 1= 5	HE MIN.	3.3 10 30 -1	The state of	-	OL AL	8101 F-1	undor-	0. 9976-1	- 150 m	remark-	025
West Virginia	S Times	2	addition.	10 V. 1 11	With T	Atmui ba	1	2 2	"Sline" W	Blighin	2 90231	2.014000
North Carolina	WINE !	T White	SELF-W	Lt. 05/01-	9E.		9	3	DESCRIPTION OF THE PERSON	urd off	5	
South Carolina					TI -	2	2	5		2	2	
Georgia	-			-		Pr. 1	1	5	July 151	1	1	- 4
Florida	1	7	9	-31	OUND	38117	8	6	-	-	7	6
EAST SOUTH CENTRAL	1	5	15	Sale of	1	5	5	29	1	5	4	27
Kentucky	-	3	15		-	and formations		-	-		-	
Tennessee	20 m2-1	7743	1000 HIS - 111	41114-14	1	410000	3	4	and the last	5 V Y 100 - 501	2	4
Alabama Mississippi	1	2	P 14322	Will de	HERRITA TO	5	2	23	adi stabil	5	2	21
K sommel differences of	limate		1247/150	Thoraco	90.000	2011/01/01	n)colosko				1	
WEST SOUTH CENTRAL	1	12	1	•	-	1	6	20		1	6	20
Louisiana.	-	2				1	-	3		1	CALOX -0	12
Oklahoma	and a		101111	19		PRESIDE	2	13	State of the	TELEPINA I	2	13
Texas	1	10	1	gitty will	ga -	helic ex	4	4		EEE E	4	4
MOUNTAIN		100	and the life	cu = 1		Hodger	from own	pro- Pris	1.7 19.71	DOM:		
Montana	1	2	-9		T	1	6	2	AT DESIGN	77.75	3	1
Idaho			-		44			1			-	
Wyoming.	(B01) (S)	pot/lt.s	agest la		196	_ []	2	•	- 1	or hereof	2	
Colorado	1	1	1420.00	sail es		Rational	1	_			1	
New Mexico	-	-			M. Police S. A.	1	3	<u> </u>	-	-		
Arizona	-				-				-		teritor 🖘	did a te
Utah Nevada	-	1	-	BH FE		7.0	Share To	L 1000	Strategy.	1911.	2.41	
distributed life in	uibe de		11 11 168	aplendy	la -	E. Value	12M96 iu	L 10-17-	Green, B.	No. and	Bank Tinla	
PACIFIC	13	12	6	12	-		3	17			3	1.5
Washington	2	1	-	2		-	-	1	10 10 10	Plants P		1
Oregon		REN TO		-	E		1	2	1785	•	1	1
Alaska	11	11	6	10		Iv. Manc	2	14	Harris San	1	2	13
Hawaii	-						1001-0		100	Carried		
			-	_					-	-		

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES FOR WEEKS ENDED

AUGUST 8, 1964 AND AUGUST 10, 1963 (32ND WEEK) - Continued

D.S. Amilyak Alfantan	Brucellosis		Diphth	eria	a Turnet	Infectious Hepatitis including Serum Hepatitis					Typhoi	d Feve
Area	-9	Cum.		Cum.	Total	Under 20 years	20 years and over	Age Unknown	Cumu	lative		Cum.
1811 - 441	1964	1964	1964	1964	1964	1964	1964	1964	1964	1963	1964	196
UNITED STATES	15	256		160	586	247	277	62	24,809	27,608	9	25
NEW ENGLAND	-	2	31.5	43	39	12	23	4	2,385	2,998	1	1
Maine			-	39	14	7	4	3	777	1,369	MANERS	
New Hampshire	71. 1-7	6 11	11 3	50 8	3	41.4	3	Photo I	173	260	77.1517	
Vermont Massachusetts	1	2	20 3	4	1 12	2	10	1	302 500	855	1	
Rhode Island			11 (1)		- 1	1	-		125	71	13.150	
Connecticut		10: -	1917	- III- 1	9	3	6	J. 4-1	508	394	-0.1911	
TIDDLE ATLANTIC	1	4	(SE)	7	122	55	67		5,558	5,346	2	
New York City				3	34	15	19		848	780	1	THE PER
New York, Up-State.	1	2		11:5	46	19	27	- 1-1	2,463	2,359	1	
New Jersey Pennsylvania		- 2	- Tal 1-	2 2	13 29	5 16	8 13	u li	985 1,262	819 1,388	-	
and Lize						, Mary	grand 155		190,	400		
EAST NORTH CENTRAL	2	33	- 2	8	101	59	31	11	3,837	4,493	2	
OhioIndiana		1	. At 8	1	28 7	15 5	6 2	7	1,014	1,233	1	
Illinois	2	21	- 10 1	6	20	11	9		672	962	1	-72
Michigan.		5	111	1	40	27	13	1-1	1,515	1,688	-	18145
Wisconsin	::::: <u>-</u> 1	4	90.1		6	1	1	4	294	200	territal.	
VEST NORTH CENTRAL	8	120	-	22	17	5	12	1.	1,342	1,253	2	
Minnesota	-	6	-31	11	2	- 1171	2	4 -3	138	191	1000	
Iowa.	8	78 8	74 3		8	-	5		187	233		
Missouri. North Dakota.		2	300	1 2		3	-	vata	339 52	471 37	1	
South Dakota		13		1	3	100	3		111	73	a ugua	
Nebraska.		11	-	41.0	1	1	5, 54, 3		34	91	1	
Kansas	7777	2		7	3	1	2		481	157		
SOUTH ATLANTIC	2	25	10 1	31	58	26	29	3	2,334	2,813	1	
Delaware.		- 1	461	401.0	1	1			44	39	the table of	11
Maryland	1100		E 1 5	12 I - C	8	3	5	28.99	442	340	2233	
Dist. of Columbia	-		915	31 6	2		2	-	39	80	77.1	
Virginia West Virginia		11			9 5	7 3	- 2	2	365 360	594 436		1 33
North Carolina	1.1	3	4 1		11	2	9		416	712	1	10.9
South Carolina		10 12 13	24 2	7	7	2	5	5 - 1- 1	85	118	199 110 19	100
Georgia	2	8	42 1	20	. 5	4	1	Pro les	60	119	2011	
Florida		3	J. 100 T. 1	4	10	4	5	1	523	375		
EAST SOUTH CENTRAL	200	12		6	45	19	25	1	1,744	2,707	-17-5	
Kentucky. Tennessee		3 4	13 E	ī	10	4	5	1	679	783	- E-	
Alabama	45 13	3	O8: 11	3	12 17	8	4 14		586 318	1,054		
Mississippi		2	30 1 7	2	6	4	2		161	448		
EST SOUTH CENTRAL		24	1 1	27	47	27	20	2 3	1,859	1,929	4771157	
Arkansas		4	37 1 5	-	5	3	2	9 1 9	190	211	1	
Louisiana	P-11-1	2	3 3	5	9	6	3	5 mg - 3	425	383	111 201	
Oklahoma. Texas		3 15	# I	22	4 29	2 16	2 13		98 1,146	1,241		
OUNTAIN	2	21		2	27 16	, 10 to 1	إركار والمر		- l pp.			
Montana	2		19730	11 2	53 3	9	4 2	40 -	1,530 137	1,806		
Idaho			£ 1	13 13	2	164-5		2	183	282		
Wyoming	- A-	F 1-1	-	11 1-24	2	1	. 1		47	24		
Colorado	44.00		N4 5	6.1-3	23	2 111-9		23	423	370	-	
New Mexico.	-	1	-	1	8	7	1	100	216	211		
ArizonaUtah	- 2	2 17	33 7	1	7	1113		7	347	424		
Nevada	*******	1 1	気し	8 2	8	16(2)	2.413	8	127 50	242 13		
ACIFIC	******		2 1	16	101	25			17 19 4	. 19 1	A5	
Washington.		15	13 E	14 13	104	35 2	66 7	3 2	4,220 469	4,263 729		
Oregon.		2	110	13	11	4	6	1	473	535	-1203510	
California		13	15	1	80	27	53	3-1-3	3,066	2,861	the special section	
Alaska Hawaii	-	77. 1-1		251.3	2	2			131	107		
nawa i i		22	-				100	- U.S.	81	31	CARLES	

Morbidity and Mortality Weekly Report

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
AUGUST 8, 1964 AND AUGUST 10, 1963 (32ND WEEK) - Continued

sent funget	Measles		ningococc	al	Sore Th	ococcal roat and t Fever	Tet	anus	Tula	remia		es in mals
Area			Cumu1	ative	- L. I.		2 4 1	Cum.		Cum.	1,20	Cum.
100/3	1964	1964	1964	1963	1964	1963	1964	1964	1964	1964	1964	1964
UNITED STATES	1,412	37	1,771	1,640	3,855	3,439	7	158	9	207	62	2,883
UNITED STATES		1,1		E		6 1 9	HI K	1.7	25.	100	CETACLE A	7281
WEW ENGLAND	152	675 10	49	103 17	281 50	247 63	1	8	1	1	2-0	28
Maine	40 4	ti , E4	5 1	4		7	- 5	1 9	12.5	161		1
New Hampshire	9		1	3	3	2	20	1	- 12	1	Sales Service	2
Vermont	80	5 131	20	50	7	30	1	. 8		1	100 and	1
Rhode Island	3	5 (2.5)	7	9	12	19	- 1	4.7	14 (1	- In		14000
Connecticut	16	3 123	15	20	209	126	-	7.0	- 1	- 1 Tab	arrest to the	il shod
CODIE ATLANTIC	149	8	232	228	99	83		15	12	107	3	84
MIDDLE ATLANTIC	56	528-1-1	32	35	8	2	-	2 1	12.7	16.		72 3.30
New York, Up-State.	66	2	67	72	79	66	12	5	5 1-7		3	80
New Jersey	20	4	80	32	9	9	- 12	5	12.5	118	and of the	==Y ==
Pennsylvania	7	2	53	89	3	6	15.1	5	1-1	- 0	Contract and the	4
ACT NORTH CENTRAL	271	8	253	255	401	195	3	30	<u> </u>	16	11	403
CAST NORTH CENTRAL	51	4	68	73	27	15	-	8	12	1	LANCTE 7	215
Indiana	57	1	39	31	93	50	2	5	1=1	2	A	19
Illinois	65	ī	63	45	63	46	1	10	= ;	10	3	81
Michigan	49	2	56	79	138	55	1.5	6	130	1	1	40
Wisconsin	49		27	27	80	29	151	1	- 13	2		48
JEST NORTH CENTRAL	89	2	114	100	143	124	121	9	2	44	27	935
Minnesota	1	5/4 (5)	26	21	3	9	-	1	1 12	2	13	284
Iowa	71	5 A 120	6	5	35	29	(E)	3	I=T	1	9	337
Missouri	1	5 - F.D	53	33	1-3	1-11	- 1	3	1-0	22	1	145
North Dakota	13	2	15	5	105	79	- 1	- / C	1-1	177	Y	48
South Dakota	4	1 1	1-1	5	1.3	6		1	2	11	1	73
Nebraska	-	1.1	6 8	21 10	15	1		1	1.5	8	2	26
Kansas	NN	4 D		10	12	1	J. 131			100	arana i	. 2000
SOUTH ATLANTIC	93	4	380	310	419	421	2	47	1-1	20	9	387
Delaware	TO 19-24		6	2	3	<u> </u>	-	-	1:1	1.1		
Maryland	5		25	48	30	9	1.0	3	1-4-5	10		alva.
Dist. of Columbia	-	2	12	6	176	62	-	5	135	4	4	209
Virginia West Virginia	20 19	1	45 27	72 16	176 81	112	151	1	144	77.		24
North Carolina	19		65	52	5	3	1	13	- 157	4	4.14.14	5
South Carolina	5	2 1	49	15	37	33	151	4	1-7	2.5	1	2
Georgia	4	1	53	23	8	2		3	. 1-0	11	4	82
Florida	40	- I-I	98	76	77	200	1	18	1-0	13		65
AST SOUTH CENTRAL	102	1	155	123	742	657	-	15	3	25	2	347
Kentucky	11	20 10	51	27	31	46		2	-	1	LUREAU.	47
Tennessee	85	1	52	53	591	567	121	8	2	17	2	285
Alabama	6	1 1 7	34	21	85	7		4	11.5	3		15
Mississippi	1 - 15	1-1	18	22	35	37	- 1	1	1	4	100	les de la constitución de la con
VEST SOUTH CENTRAL	146	5	161	159	421	474	1	16	2	71	6	406
Arkansas	-40	24 11	19	11			-	5	1	38	2	101
Louisiana	1	2	107	65	13	4		3	1.0	3	10000	32
Oklahoma	2	S ALC	7	29	2	19	- 12	0.2-85	1	19	1	70
Texas	143	3	28	54	419	451	1	8	100	11	3	203
OUNTAIN	178	1	65	55	803	797	-	4	2	30	2	103
Montana	44	44		3	26	33		111	2	18		
Idaho	23	1 1 5	3	4	39	27	2 =		- 10			
Wyoming	3	1.0	5	4	1	7	-	1	173	4		8
Colorado	14	4 7.55	11	14	288	303		310	- 12			47
New Mexico	13		26	4	267	211 41	- 5	1	1 1 E	1	ī	45
Arizona	52 23	i	5 7	9	112 66	119	- 13	1	1 1 1	8	i	100
Nevada	6	1-1-1	8	3	4	56		7.15	120	-		11.00
dem	000	Total T	200	207	516	161		14		- 41	2	190
PACIFIC	232	8	362	307	546	441	45	14	1-	1	2	190
Washington	9	1	27	25	49	51 4		1	11.5	1.4		un TiStes
Oregon	65 142	1	21 295	22 241	16 430	320	3 6 7	12	- 16	- 40	2	184
Alaska	2	0,6	7	11	7	20	(C) (18)	-	12	100	and the	101317
Hawaii	14		12	8	44	46		1		1	10000	115 111/
												1:

Table 4 (D). TOTAL DEATHS AMONG PERSONS 65 YEARS AND OVER IN REPORTING CITIES

(Tables 4(A), 4(B), 4(C), and 4(D) will be published in sequence covering a four-week period.) $^{\circ}$

Area	For weeks ending				Area	For weeks ending			
1000000	7/18				7/18	7/25	8/1	8/8	
III ENGLAND				LANTA.	ECROIA 38315	~	A317.7E		U Add
W ENGLAND:	101	129	120	100	SOUTH ATLANTIC:	1.7210			
Boston, Mass	34	20	139 29	103	Atlanta, Ga	47	41	49	38
Bridgeport, Conn	23	13	20	14	Baltimore, Md	127	134	115	126
Fall River, Mass	15	16	17	13	Charlotte, N.C	9	11	12	19
Hartford, Conn	35	27	32	23	Jacksonville, Fla	22 50	33	20	3:
Lowell, Mass.	9	20	14	13	Miami, Fla	13	34	44	4
Lynn, Mass.	19	18	19	12	Norfolk, Va	31	21 35	28	3:
New Bedford, Mass	15	14	11	13	Richmond, Va	21	1 1	25	34
New Haven, Conn	22	25	20	23	Savannah, Ga.	62	17 49	10	14
Providence, R.I	40	33	41	36	St. Petersburg, Fla	30	49	43 27	50
Somerville, Mass.	7	13	9	5	Tampa, Fla	83	89	83	9
Springfield, Mass	23	26	23	16	Wilmington, Del	29	21	19	
Waterbury, Conn	16	14	13	28	withington, bei	23	21	19	14
Worcester, Mass	39	53	31	22	EAST SOUTH CENTRAL:			23/0-1	
managed the state of the state					Birmingham, Ala	50	35	41	-
DDLE ATLANTIC:		and the same	3300	1	Chattanooga, Tenn	24	28	14	5.
Albany, N.Y.	28	26	25	23	Knoxville, Tenn	16	20		
Allentown, Pa	23	27	18	17	Louisville, Ky	60	72	22 72	18 7.
Buffalo, N.Y	67	68	83	61	Memphis, Tenn.	66	58	69	5
Camden, N.J	21	27	17	19	Mobile, Ala.	24	12	17	2
Elizabeth, N.J	19	20	19	22	Montgomery, Ala	19	17	14	1
Erie, Pa.	29	34	19	19	Nashville, Tenn.	44	49	59	3
Jersey City, N.J	34	29	35	44	maniville, lemi	towal T	4,5	25	2
Newark, N.J.	53	54	42	36	WEST SOUTH CENTRAL:			1270	
New York City, N.Y	841	891	820	797	Austin, Tex	16	23	12	1
Paterson, N.J.	16	23	20	15	Baton Rouge, La	21	8	12 10	1
Philadelphia, Pa	302	307	343	204	Corpus Christi, Tex	18	8	14	1
Pittsburgh, Pa	96	65	140	116	Dallas, Tex	63	60	63	5
Reading, Pa	35	32	21	26	El Paso, Tex.	19	20	13	2
Rochester, N.Y.	74	72	56	54	Fort Worth, Tex	37	40	40	3
Schenectady, N.Y.	13	13	15	12	Houston, Tex	95	79	95	8
Scranton, Pa	16	26	17	19	Little Rock, Ark.	30	24	34	2
Syracuse, N.Y	25	47	30	41	New Orleans, La	94	75	88	10
Trenton, N.J	28	30	16	18	Oklahoma City, Okla	39	40	57	5
Utica, N.Y	18	21	22	28	San Antonio, Tex	61	57	45	4
Yonkers, N.Y	15	22	23	23	Shreveport, La	29	38	20	3.
	23			100	Tulsa, Okla	35	25	33	2
ST NORTH CENTRAL:									_
Akron, Ohio	30	32	43	36	MOUNTAIN:		130		
Canton, Ohio	27	28	28	22	Albuquerque, N. Mex	18	7	12	1:
Chicago, Ill	324	404	437	361	Colorado Springs, Colo	17	12	10	
Cincinnati, Ohio	96	104	98	119	Denver, Colo	76	61	67	78
Cleveland, Ohio	97	129	120	98	Ogden, Utah	8	8	5	1:
Columbus, Ohio	57	69	80	66	Phoenix, Ariz	43	43	51	3
Dayton, Ohio	49	49	61	57	Pueblo, Colo	7	9	6	
Detroit, Mich	166	154	307	228	Salt Lake City, Utah	29	30	31	30
Evansville, Ind	21	22	21	30	Tucson, Ariz	21	17	20	2
Flint, Mich	17	14	31	20		HAS ITS	1157 91	1. 17 (0) 9	719
Fort Wayne, Ind	17	34	30	21	PACIFIC:	100			1.4
Gary, Ind	10	17	12	16 *	Berkeley, Calif.	9	9	10	1
Grand Rapids, Mich	27	34	37	36	Fresno, Calif	24	32	22	24
Indianapolis, Ind	79	79	97	99	Glendale, Calif.	26	24	27	2:
Madison, Wis	18	14	18	16	Honolulu, Hawaii	17	17	21	10
Milwaukee, Wis	67	59	82	79	Long Beach, Calif	50	34	38	29
Peoria, Ill	14	18	15	21	Los Angeles, Calif	299	281	285	25
Rockford, Ill	14	18	17	17	Oakland, Calif.	73	52	79	69
South Bend, Ind	16	24	23	19	Pasadena, Calif	37	19	24	2
Toledo, Ohio.	69	59	89	61	Portland, Oreg	58	60	57	7
Youngstown, Ohio	31	44	36	36	Sacramento, Calif	29	36	34	3:
					San Diego, Calif	47	54	47	5
ST NORTH CENTRAL:		State No.	KOTIN	THE PLAN	San Francisco, Calif	90	102	92	88
Des Moines, Iowa	41	47	27	45	San Jose, Calif	17	32	16	19
Duluth, Minn	20	11	14	10	Seattle, Wash	63	60	78	67
Kansas City, Kans	10	19	22	23	Spokane, Wash	35	26	40	36
Kansas City, Mo	65	84	93	65	Tacoma, Wash	22	24		24
Lincoln, Nebr	14	15	29	11					
Minneapolis, Minn	60	115	104	72	A Transference and white the teacher to		1-11-15	23 200 3	100
Omaha, Nebr	32	42	44	31			Dan Sain	12 mg (1)	
	101	1.00	175		THE PERSON NO PERSON NAMED IN COLUMN 2 IN		A		
St. Louis, Mo	106	129	175	163					

^{*}Estimate - based on average percent of divisional total.

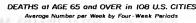
NOTE: All deaths by place of occurrence.

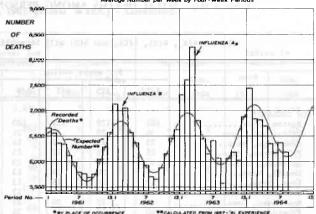
Totals for previous weeks include reported corrections.

SUMMARY OF DEATHS AMONG PERSONS 65 YEARS AND OVER IN 108 U.S. CITIES

The weekly average number of deaths among persons 65 years and over in 108 cities for the four-week period ending August 8 was 6,192 as compared with an expected weekly average of 6,116.

Page 1	12	Week	4 Week	Weekly			
	7/18	7/25	8/1	8/8	Total	Average	
Observed	5,990	6,212	6,563	6,003	24,768	6,192	
Expected	6,143	6,120	6,105	6,098	24,466	6,116	
Excess	- 153	92	458	- 95	302	76	





(See table, p. 279)

INTERNATIONAL NOTES - QUARANTINE MEASURES

No changes.

THE MORBIDITY AND MORTALITY WEEKLY REPORT, WITH A CIRCULA-TION OF 12,000 IS PUBLISHED BY THE COMMUNICABLE DISEASE CENTER, ATLANTA, GEORGIA.

CHIEF, COMMUNICABLE DISEASE CENTER
CHIEF, EPIDEMIOLOGY BRANCH
CHIEF, STATISTICS SECTION
ASST. CHIEF, STATISTICS SECTION
CHIEF, SURVELLANCE SECTION
DEPUTY CHIEF, SURV. SECTION
EDITOR. MMWR

ASSISTANT EDITOR, MMWR

JAMES L. GODDARD, M.D.
A. D. LANGMUIR, M.D.
R. E. SERFLING, PH.D.
I. L. SHERMAN, M.S.
D. A. HFNDERSON, M.D.
J. D. MILLAR, M.D.
L. K. ALTMAN, M.D.
P. D. STOLLEY, M.D.

IN ADDITION TO THE ESTABLISHED PROCEDURES FOR REPORTING MORBIDITY AND MORTALITY, THE COMMUNICABLE DISEASE CENTER WELCOMES ACCOUNTS OF INTERESTING OUTBREAKS OR CASES, SUCH ACCOUNTS SHOULD BE ADDRESSED TO:

LAWRENCE K. ALTMAN, M.D., EDITOR MORBIDITY AND MORTALITY WEEKLY REPORT COMMUNICABLE DISEASE CENTER ATLANTA, GEORGIA 30333

NOTES: THESE PROVISIONAL DATA ARE BASED ON WEEKLY TELE-GRAMS TO THE COMMUNICABLE DISEASE CENTER BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS.

SYMBOLS: - - - DATA NOT AVAILABLE
- QUANTITY ZERO

PROCEDURES FOR CONSTRUCTION OF VARIOUS MORTALITY CURVES MAY BE OBTAINED FROM STATISTICS SECTION, COMMUNICABLE DISEASE CENTER, PUBLIC HEALTH SERVICE, U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE, ATLANTA, GEORGIA 30393.

Financial Management Off 81 CDC 1 61

U. S. DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE
Communicable Disease Center
Atlanta, Georgia 30333

Official Business



POSTAGE AND FEES PAID
U. S. DEPARTMENT OF H. E. W.